



**OFFSHORE SUPPLY VESSEL
INSPECTION BOOK**

Name of Vessel		
Official Number	Class	
Date Completed	Location	
Vessel Built in Compliance with SOLAS: 60 74 74/78 N/A		
Route		
Oceans	Limited Coastwise	Lakes / Bays / Sounds
Coastwise	Great Lakes	Rivers
Inspection Type		
Inspection for Certification (COI)		Reinspection
Inspectors		
1. _____	3. _____	
2. _____	4. _____	

Recommended US Vessel Deficiency Procedures:

Step	Action								
1	Identify deficiency.								
2	Inform vessel representative.								
3	Record on the <i>Deficiency Summary Worksheet</i> (next page).								
4	If deficiency is corrected prior to end of inspection, go to Step 7.								
5	If deficiency is unable to be corrected prior to end of inspection, issue CG-835 in accordance with table below. <table border="1" data-bbox="226 488 930 1300"> <thead> <tr> <th>IF deficiency:</th> <th>THEN issue CG-835:</th> </tr> </thead> <tbody> <tr> <td> <p>Does NOT immediately impact crew/passenger safety, hull seaworthiness, or the environment, e.g.,</p> <ul style="list-style-type: none"> Missing placards Non-metallic expansion joints if more than 10 years in service </td> <td> <p>That provides a specific time for correcting deficiency, e.g.,</p> <ul style="list-style-type: none"> "X" number of days At next drydock </td> </tr> <tr> <td> <p>Allows vessel operations to be MODIFIED to meet less stringent requirements, e.g.,</p> <ul style="list-style-type: none"> Expired international certificates Automation defect Insufficient lifesaving equipment </td> <td> <p>That restricts operation of vessel to meet current vessel conditions, e.g.,</p> <ul style="list-style-type: none"> Reduced route Increased crew Fewer offshore workers </td> </tr> <tr> <td> <p>DOES immediately impact crew/passenger safety, hull seaworthiness, or the environment, and cannot be modified to meet less stringent requirements, e.g.,</p> <ul style="list-style-type: none"> Missing or defective firefighting equipment Structural defect or damage </td> <td> <p>That requires the deficiency to be corrected prior to operating vessel ("NO SAIL" item), e.g.,</p> <ul style="list-style-type: none"> Prior to carrying offshore workers Prior to carrying cargo </td> </tr> </tbody> </table>	IF deficiency:	THEN issue CG-835:	<p>Does NOT immediately impact crew/passenger safety, hull seaworthiness, or the environment, e.g.,</p> <ul style="list-style-type: none"> Missing placards Non-metallic expansion joints if more than 10 years in service 	<p>That provides a specific time for correcting deficiency, e.g.,</p> <ul style="list-style-type: none"> "X" number of days At next drydock 	<p>Allows vessel operations to be MODIFIED to meet less stringent requirements, e.g.,</p> <ul style="list-style-type: none"> Expired international certificates Automation defect Insufficient lifesaving equipment 	<p>That restricts operation of vessel to meet current vessel conditions, e.g.,</p> <ul style="list-style-type: none"> Reduced route Increased crew Fewer offshore workers 	<p>DOES immediately impact crew/passenger safety, hull seaworthiness, or the environment, and cannot be modified to meet less stringent requirements, e.g.,</p> <ul style="list-style-type: none"> Missing or defective firefighting equipment Structural defect or damage 	<p>That requires the deficiency to be corrected prior to operating vessel ("NO SAIL" item), e.g.,</p> <ul style="list-style-type: none"> Prior to carrying offshore workers Prior to carrying cargo
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6	Enter CG-835 data in MIDR.								
7	Enter deficiency data in MSDS.								
8	Initiate Report of Violation (ROV) if necessary.								

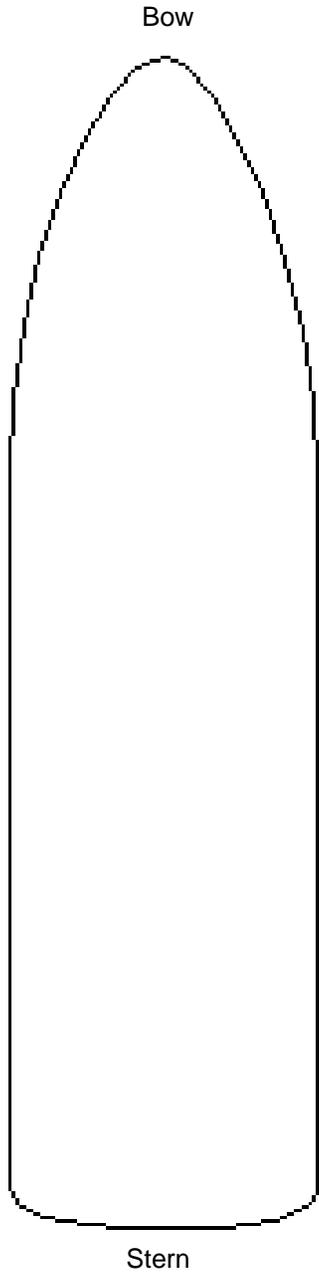
Section 1: Administrative Items

IMO Applicability Dates:

Reference	Date
SOLAS 1960	26 MAY 65
SOLAS 1974	25 MAY 80
1978 Protocol to SOLAS 1974	01 MAY 81
1981 Amendments (II-1 & II-2)	01 SEP 84
1983 Amendments (III)	01 JUL 86
<i>Various additional amendments to SOLAS</i>	
MARPOL 73/78 Annex I	02 OCT 83
MARPOL 73/78 Annex II	06 APR 87
MARPOL 73/78 Annex III	01 JUL 92
MARPOL 73/78 Annex V	31 DEC 88
IBC Code	After 01 JUL 86
BCH Code	Prior to 01 JUL 86
COLREGS 1972	15 JUL 77
<i>Various additional amendments to COLREGS</i>	
Load Line 1966	21 JUL 68
STCW 1978	28 APR 84
1991 Amendments	01 DEC 92
1994 Amendments	01 JAN 96
1995 Amendments	01 FEB 97

Section 6: Appendices

Vessel Layout:



- Ballast tanks
- Deckhouse location
- Deck cranes
- Fuel tanks
- Cargo tanks
- Peak tanks
- Legs

Vessel Information:

Classification Society	
ISM Issuer: Same as above?	
Yes	No If not the same, which Recognized Organization? _____
<i>NOTE: The period of validity for ISM documents should correspond to the following list. If they do NOT, ISM documents should be further investigated.</i>	
<input type="checkbox"/> 5 years = Full term (SMS and DOC)	<input type="checkbox"/> 12 months = Interim (DOC)
<input type="checkbox"/> 6 months = Interim (SMC)	<input type="checkbox"/> 5 months = Short term (SMC)
Gross Tons	No Change (VFMD)
Net Tons	No Change (VFMD)
Built Date (use delivery date)	No Change (VFCD)
Overall Length (in feet)	No Change (VFMD)

Auxiliary Machinery:

- Bilge and ballast systems 46 CFR 128.440
 - Pumps
 - Eductors
 - Emergency bilge pump
 - Manifold, valves, and piping
 - Remote controls (hydraulic, pneumatic, manual, electric)
 - Strainers
 - Sounding and vent piping
 - Markings and indicators
 - Alarm

- Sea suction and overboard discharges 46 CFR 130.460
- Sea suction and overboard discharges MSM Ch. 8.F
- Nonmetallic expansion joints 46 CFR 61.15-12
MSM Ch. 8.F.3
 - External exam
 - 10-year service replacement
- Compressed air system 46 CFR 58.30
 - Compressor
 - Controls and gauges
 - Relief valves
- Refrigeration and air conditioning systems 46 CFR 128.410
- Freshwater systems
 - Pumps
 - Valves and controls
 - Air cushion supply line

Notes: _____

- Lifesaving equipment maintenance record 46 CFR 131.545
SOLAS 74/78 III/19
- SOLAS training manual SOLAS 74/78 III/18.2
- Lifboat operating manual 46 CFR 134.170
 - Coast Guard approved
 - Understandable to crew
- Information available to master 46 CFR 78.17-20
46 CFR 97.15-5
SOLAS 74/78 II-1/22.1
 - Loading manual
 - Trim and stability book

Pollution Prevention Records:

- Oil record book (Part 1) MARPOL Ax. I/20
33 CFR 151.25
 - Each operation signed by person-in-charge
 - Each complete page signed by master
 - Book maintained for 3 years
- Shipboard oil pollution emergency plan MARPOL Ax. I/26.1
33 CFR 151.26
 - Approved by Coast Guard / class society
 - Contact numbers correct
 - Immediate Actions List
- Vessel response plan 33 CFR 155.1030
(vessels carrying oil as secondary cargo)
 - Approved by Coast Guard 33 CFR 155.1065
 - Annual review by owner / operator 33 CFR 155.1070
- Oil transfer procedures 33 CFR 155.720
 - Posted
 - List of products carried by vessel
 - Description of transfer system including a line diagram of piping
 - Number of persons required on duty
 - Duties by title of each person
 - Means of communication
 - Procedures to top off tanks
 - Procedures to report oil discharges

Notes: _____

Pressure Vessels:

- Pressure vessels hydrostatically tested or internally examined 46 CFR 61.10
MSM Ch. 6.Q
MSM Vol. IV Ch. 3.I.7

Service	MAWP	Date Tested or Examined Internally	Relief Valve Tested
			<input type="checkbox"/>

- Relief valve springs set within range 46 CFR 54.15-10(g)

Boilers:

- Automatic auxiliary boilers MSM Ch. 6.H
 - Controls and safety devices 46 CFR 63.15-1
 - Fuel systems 46 CFR 63.20
 - Alarms 46 CFR 63.15-3
 - Inspections / test 46 CFR 63.15-7
 - 46 CFR 63.15-9

- Periodic test and inspection of boilers in accordance with 46 CFR Table 61.05-10

Boiler ID Number	Date Hydrostatically Tested	Date Mountings Opened	Date Mountings Removed and Studs Examined	Fireside	Waterside	External

Notes: _____

- Navigation lights and signals 46 CFR 111.75-17(d)
46 CFR 129.430
72 COLREGS
 - Control panels
 - Running lights
 - Anchor lights
 - Special day and night signals
 - Distress signals and stowage 46 CFR 133.60
 - Whistle, light, bells, gongs
 - Day and night signal devices
 - Certificate of Alternate Compliance 33 CFR 81.9
- Steering gear 46 CFR 130.130
46 CFR 130.140
MSM Ch. 14.B
 - Main gear tested (all stations)
 - Auxiliary gear tested (all stations)
 - Instructions and markings 46 CFR 131.845
 - Rudder angle indicator 46 CFR 131.850
 - Illumination
 - Alarms 46 CFR 130.460
 - Block diagram
- EPIRB (406 MHz) 46 CFR 133.60
SOLAS 74/78 IV/7.1.6
 - Float-free arrangement
 - Battery date current
 - Hydrostatic release
 - Marked with vessel name 46 CFR 131.890
- 9 GHz radar transponder (SART) SOLAS 74/78 III/6.2
NVIC 9-93
 - Vessels > 300 GT and < 500 require 1
 - Vessels > 500 GT require 2
 - Stowed so to be rapidly placed in survival craft, or stowed in survival craft

General Health and Safety:

- Emergency lighting 46 CFR 112.43
 - Markings 46 CFR 131.840

Notes: _____

Electrical Systems:

NOTE: Guidance for inspecting electrical system items is detailed in NVIC 2-89.

- Ship's service generators
 - Protective guards 46 CFR 110.10
 - Reverse power relay 46 CFR 111.12
 - Overspeed trip (> 110% < 115%) 46 CFR 129.315
 - Low oil pressure alarm / shutdown 46 CFR 129.320
- Switchboards (including emergency)
 - Automatic bus transfer SOLAS 74/78 II-1/41
 - Ground detectors MSM Ch. 6.L.4.c
 - Personnel safeguards (guards, rails, mats, etc.) MSM Vol. IV Ch. 3.D.2
 - Drip shields 46 CFR 129.330
 - Warning notices posted MSM Ch. 6.L.4.g
 - Circuit breaker ratings
- Panelboards 46 CFR 129.330
 - Overcurrent devices
 - Circuit directory
 - Locking device
- Motor controllers 46 CFR 111.70
 - Drip shields MSM Ch. 6.L.4.i
 - Disconnect switch
 - Wiring diagram posted
 - Remote shutdowns tested
- Ventilation systems 46 CFR 127.250
 - Remote shutdown tested SOLAS 74/78 II-1/48
 - Machinery space fans
- Ship's service lighting systems 46 CFR 111.75
 - Panelboards 46 CFR 111.40
 - Circuit directory
 - Circuit breakers
 - Globes and guards 46 CFR 129.410
 - Explosion-proof or watertight (where required)

Notes: _____

- Paint stowage
 - Fireproof / metal lined 46 CFR 127.220
 - Lighting / electrical 46 CFR 129.520
 - Fire protection 46 CFR 132.310

- Storerooms
 - Stowage
 - Fire hazards
 - Lighting and wiring

Structural Integrity:

- Hull structure (list inaccessible compartments or areas) 46 CFR 126.430
 - Decks ICLL 66 Reg. 1
 - Shell
 - Bulkheads
 - Tank tops
 - Strength members
 - Approved plans available 46 CFR 126.150
- Hull openings and closures 46 CFR 42.15
 - Air ports and dead covers MSM Ch. 6.F.5
 - Closing devices, gaskets ICLL 66 Regs. 12 - 23
 - Light / water test
 - Closed prior to departure 46 CFR 131.520
- Deck openings and closures MSM Ch. 6.F.5
 - Closing devices, gaskets ICLL 66 Regs. 12 - 20
 - Light / water test
 - Closed prior to departure 46 CFR 131.520
- Guards, ladders, rails, and gangways (including accommodation ladders or pilot ladders) 46 CFR 127.310
 - 46 CFR 127.320
 - 46 CFR 127.330
 - ICLL 66 Reg. 25

Notes: _____

- Oily waste retention MSM Ch. 31.D.7
 - Bilge
 - Tank
- Ballast discharge 33 CFR 155.330
33 CFR 155.350
33 CFR 155.360
33 CFR 155.370
MSM 31.D.10
 - Acceptable processing equipment
- Oily bilge discharge 46 CFR 155.380
 - Piping system
 - Stop valve
 - Outlet
 - Pump stop
- Prohibited oil spaces 33 CFR 155.470
- Emergency shutdown 33 CFR 155.780
- Oil transfer hose 33 CFR 155.800
 - Condition
 - Markings
 - Hose assembly requirements
 - Record of tests and inspections
- Garbage 33 CFR 151.63
MARPOL Ax. V/3
 - Shipboard garbage properly disposed
- Discharge removal equipment 33 CFR 155.220

Notes: _____

Liftboats:

NOTE: Guidance for inspecting liftboats on OSVs is detailed in NVIC 8-91.

- Legs 46 CFR 134.140
 - Jacking points
 - Pin holes
- Jacking systems 46 CFR 134.150
 - Loss of power alarm
 - Low hydraulic fluid level alarm
- Freeboard markings 46 CFR 134.160
- Firemain suction 46 CFR 134.180
 - Distortion
 - Flanged
 - Attachments

Bulk Tanks:

- Bulk cargo pressure tanks internally examined 46 CFR 61.10
 - Pumps and controls
 - Relief valves
 - Piping-valves
 - Lighting and wiring
 - Cofferdams

Service	MAWP	Date Tested or Examined Internally	Relief Valve Tested
			<input type="checkbox"/>

Notes: _____

- Fixed fire extinguishing systems
 - Controls and instructions
 - Alarms tested
 - Piping
 - Heads, distribution
 - Bottles weighed annually
 - Bottles hydrostatically tested (every 12 years)
 - Flexible loops tested or replaced (10% per year)
 - Markings
 - Storage space / door
 - Vent stops

- Fire main system and stations
 - Pumps
 - Piping
 - Cut-off valves
 - Drains

- Fire stations
 - Hydrants (2 effective streams)
 - Nozzles and spanners
 - Fog applicators (<6 feet in length, in engine room)
 - Hose
 - UL approved
 - Correct length
 - Markings
 - Equipment compatible

- Total length of all hose tested _____
 - Hydrostatically tested to at least 100 psi
 - Approved hose
 - Markings

- Pumps
 - Controls and gauges
 - Relief valves

46 CFR 132.350
 SOLAS 74/78 II-2/21
 MSM Ch. 18.1.9
 NVIC 6-72, Change 1
 NVIC 8-73

46 CFR 131.815
 46 CFR 131.820
 46 CFR 131.825
 46 CFR 131.899

46 CFR 132.100
 NVIC 6-72, Change 1
 SOLAS 74/78 II-2/4
 SOLAS 74/78 II-2/21
 46 CFR 132.110
 46 CFR 132.130

46 CFR 132.100
 NVIC 6-72, Change 1
 SOLAS 74/78 II-2/4
 SOLAS 74/78 II-2/21
 MSM Ch. 18.1.9
 MSM Ch. 19.1.7

46 CFR 131.830

46 CFR 132.130
 46 CFR 132.350
 MSM Ch. 18.1.6

46 CFR 131.880

46 CFR 132.120

Notes: _____

Ground Tackle:

- Anchors
 - Tested
 - Windlass
 - Capstans

- Mooring and towing gear

46 CFR 130.240
 ABS Rules

46 CFR 130.250

Lifesaving Equipment:

NOTE: General maintenance and tests and inspections of lifesaving equipment is detailed in 46 CFR 131.545 and 46 CFR 133.45, respectively.

- General alarms
 - Controls
 - Batteries and fuses
 - Tested
 - Markings
 - Bell locations audible
 - Lights for high-noise areas

- Lifeboats stripped, cleaned, and inspected
 - Date of annual servicing _____
 - Hull and fittings
 - Tanks and fittings
 - Cradles
 - Gripes
 - Compressed air cylinders
 - Markings

- Rescue boat
 - Approved
 - Required equipment

46 CFR 113.25
 46 CFR 129.530

46 CFR 131.805
 46 CFR 131.810

46 CFR 113.25-10

46 CFR 133.105(a)(6)
 46 CFR 199.190(f)
 46 CFR 199.201
 46 CFR 199.202
 46 CFR 199.261
 46 CFR 199.262
 SOLAS 74/78 III/19.2
 SOLAS 74/78 III/26
 MSM Ch. 6.R.3.e
 46 CFR 199.176

46 CFR 133.135

46 CFR 133.175

Notes: _____

- Ring lifebuoys
 - Lights
 - Lines
 - Smoke signals
 - Markings
 46 CFR 133.70
 SOLAS 74/78 III/7
 SOLAS 74/78 III/21
 SOLAS 74/78 III/27
 MSM Ch. 6.R.3.i
 46 CFR 131.875
- Line-throwing apparatus
 - Equipment
 - Required drills held
 - Magazine
 - Type
 46 CFR 133.170
- Lifejackets

Total _____

 - Retro-reflective tape
 - Lights
 - Whistles
 - Stowage
 - Number of lifejackets rejected by inspector _____
 46 CFR 133.70
 SOLAS 74/78 III/7.2.2
 MSM Ch. 6.R.3.m
 46 CFR 131.875
 MSM Ch. 6.R.3.q
- Lifejacket stowage
 - Required notices and markings
 - Wearing instructions
 46 CFR 133.70
 SOLAS 74/78 III/7.2
 46 CFR 131.875
 46 CFR 133.80
- Work vests
 - Approved type
 - Stowage
 46 CFR 131.720
 46 CFR 131.710
 46 CFR 131.730
- Immersion suits
 - Condition
 - Retro-reflective tape
 - Markings
 46 CFR 133.70
 SOLAS 74/78 III/21.4,
 27.3, 30.2.7
 MSM Ch. 6.R.3.n
 46 CFR 131.875
- Placard of lifesaving signals
 46 CFR 131.950
 SOLAS 74/78 V/16
- Emergency instructions
 46 CFR 133.80
- Station bill posted
 46 CFR 131.350

Notes: _____

Item Number	Item	International (LB)/ Oceans (RB)		Short International (LB)/ Coastwise (RB)	
		Lifeboat (LB)	Rescue Boat (RB)	Lifeboat (LB)	Rescue Boat (RB)
29	Signal, smoke	2		2	
30	Signal, hand flare	6		6	
31	Signal, parachute flare	4		4	
32	Skates and fenders ⁶	1		1	
33	Sponge ⁵		2		2
34	Survival instructions	1		1	
35	Table of lifesaving signals	1		1	
36	Thermal protective aids ⁷	10%	10%	10%	10%
37	Tool kit	1		1	
38	Tow line ⁸	1	1	1	1
39	Water (liters/person)	3		3	
40	Whistle	1	1	1	1

Footnotes:

- 1 Not required for boats of self-bailing design.
- 2 Not required for inflated or rigid-inflated rescue boats.
- 3 A hatchet counts towards this requirement in rigid rescue boats.
- 4 Oars are not required on a free-fall lifeboat; a unit of oars means the number of oars specified by the boat manufacturer.
- 5 Not required for a rigid rescue boat.
- 6 Required if specified by the boat manufacturer.
- 7 Sufficient thermal protective aids are required for at least 10% of the persons the survival craft is equipped to carry, but not less than two.
- 8 Required only if the lifeboat is also the rescue boat.

- Disengaging apparatus examined or tested and marked as required⁷
 46 CFR 199.45(b)
 SOLAS 74/78 III/41
 MSM Ch. 6.R.3.a

- Universal joints
- Safety latches
- Hooks
- Locking knuckles
- Frame

Notes: _____
